

# MemRemix



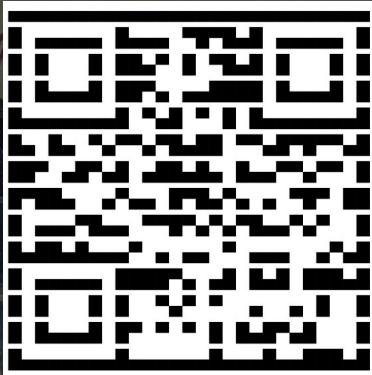
Where music and memories mix

Stanford CS194H Winter 2024

Remember these?



# Outline



mayannw@stanford.edu

123456

- 1 Problem and solution
- 2 Design evolution
- 3 Tasks
- 4 Implementation
- 5 Demo
- 6 What's next

# Our Team



**Casey N.**

Developer



**Brent J.**

Designer

Developer

PM



**Emily R.**

Designer

Developer

PM



**Gray W.**

Designer

Developer



**Tristan W.**

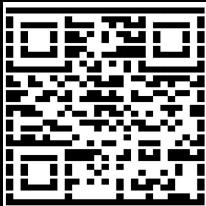
Designer

Developer

# Problem

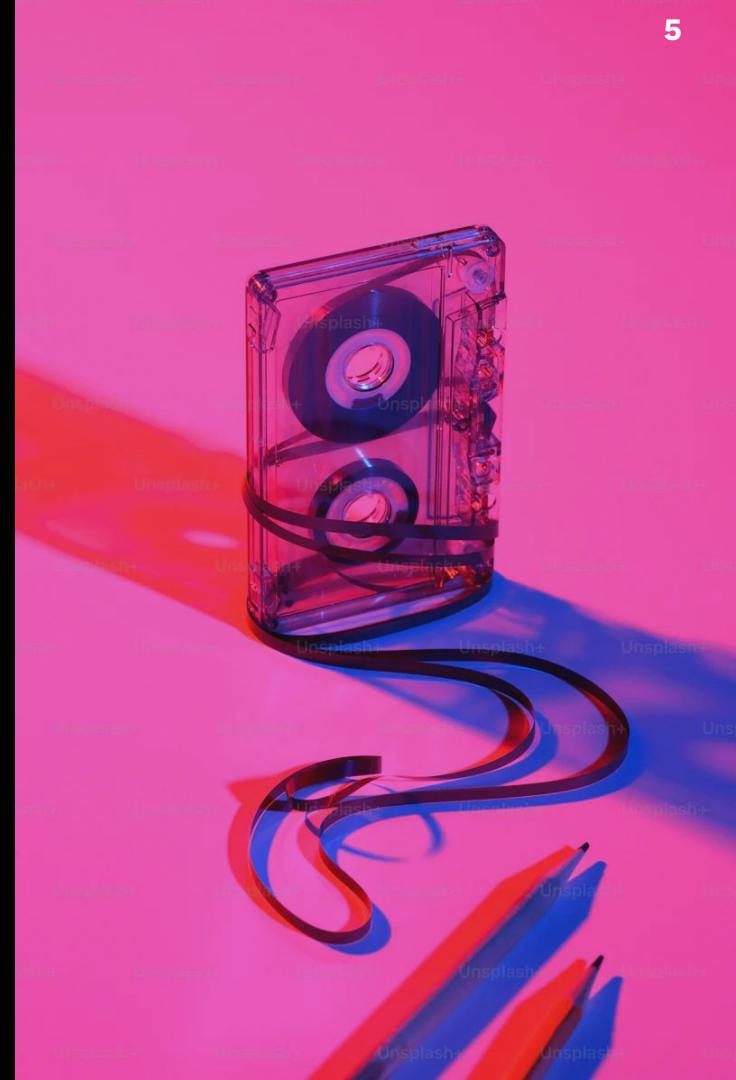
We've lost the days of  
handcrafted **mixtapes**...

Music embedded with meaning  
and memories.



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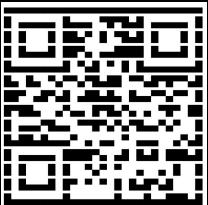


# Solution

**Memremix**: a social music app

where users can:

- Gift and receive mixtapes
- Revisit music memories
- Explore community music

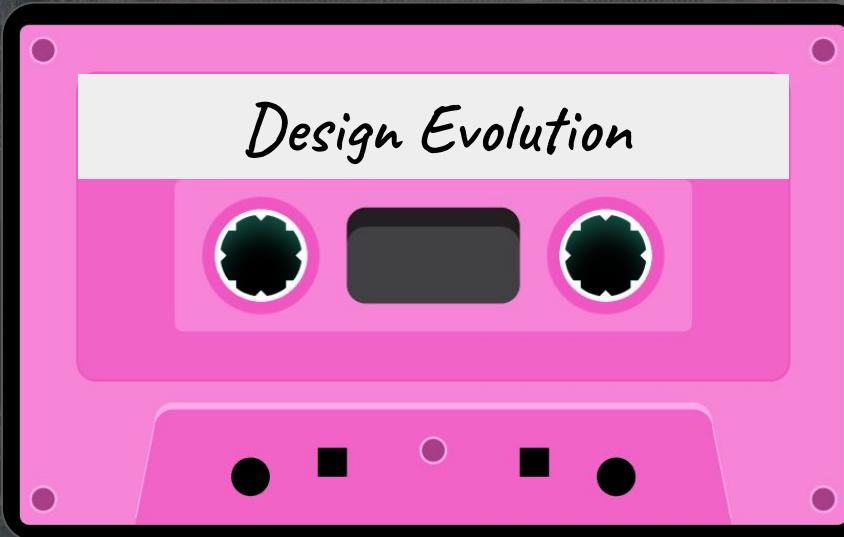


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# Design Evolution



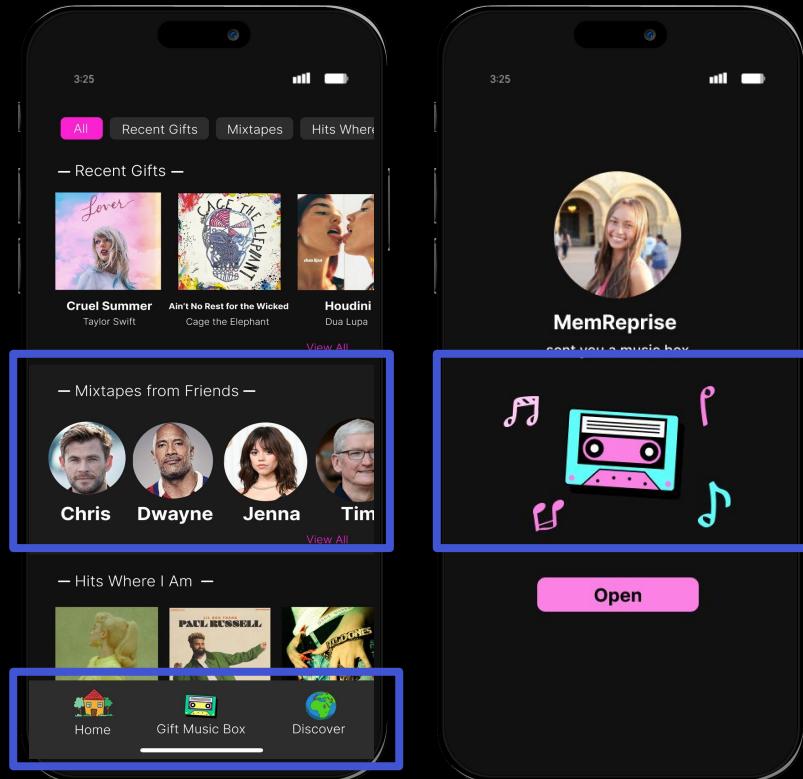
MIX #7 SIDE A

# V1: How it started...



**MemReprise (V1)**  
centered around  
individual  
music reflection

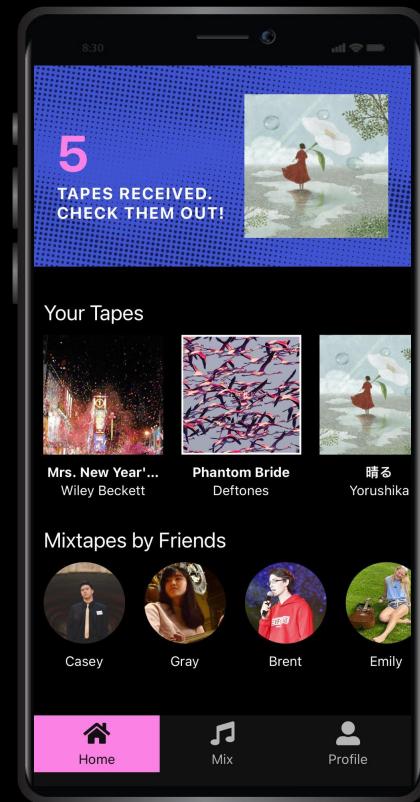
## V2: Memreprise to MemRemix



**MemRemix (V2)** pivoted to social mixtapes

But still room for design improvement... how do we make  
“Modern day mixtapes” ?

# V3: Where we are today



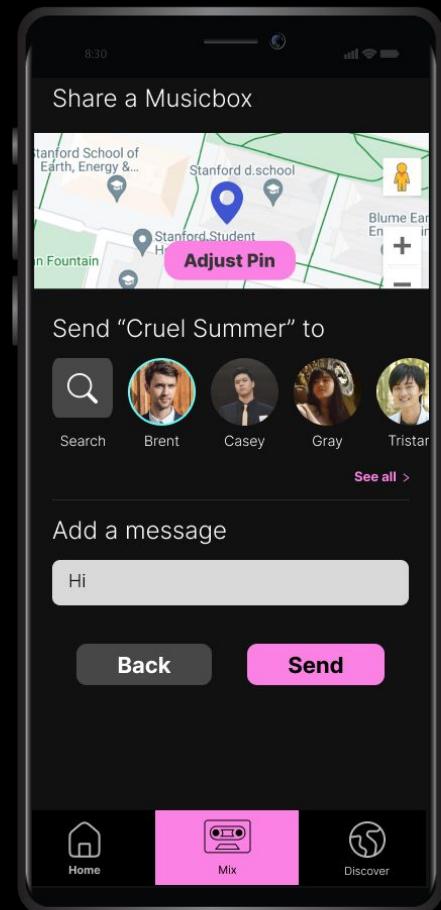
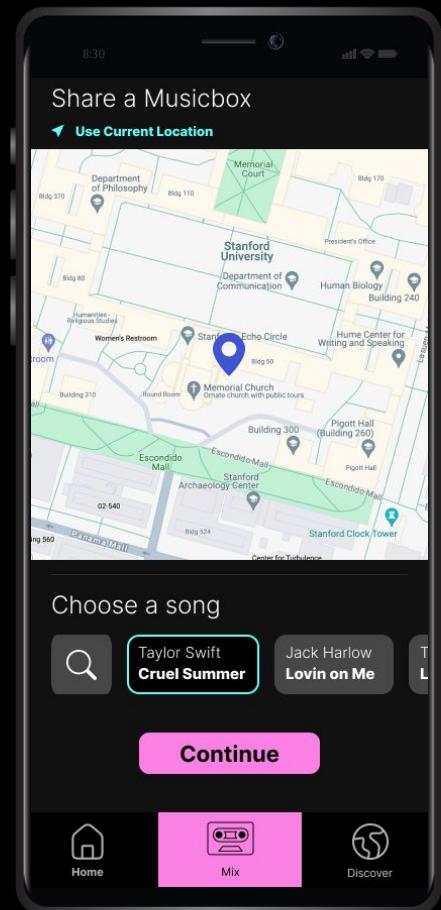
**MemRemix (V3) emphasizes the social and geo-based experience and focuses on bright, clean, fun UI**



SUMMER MIX  
SIDE B

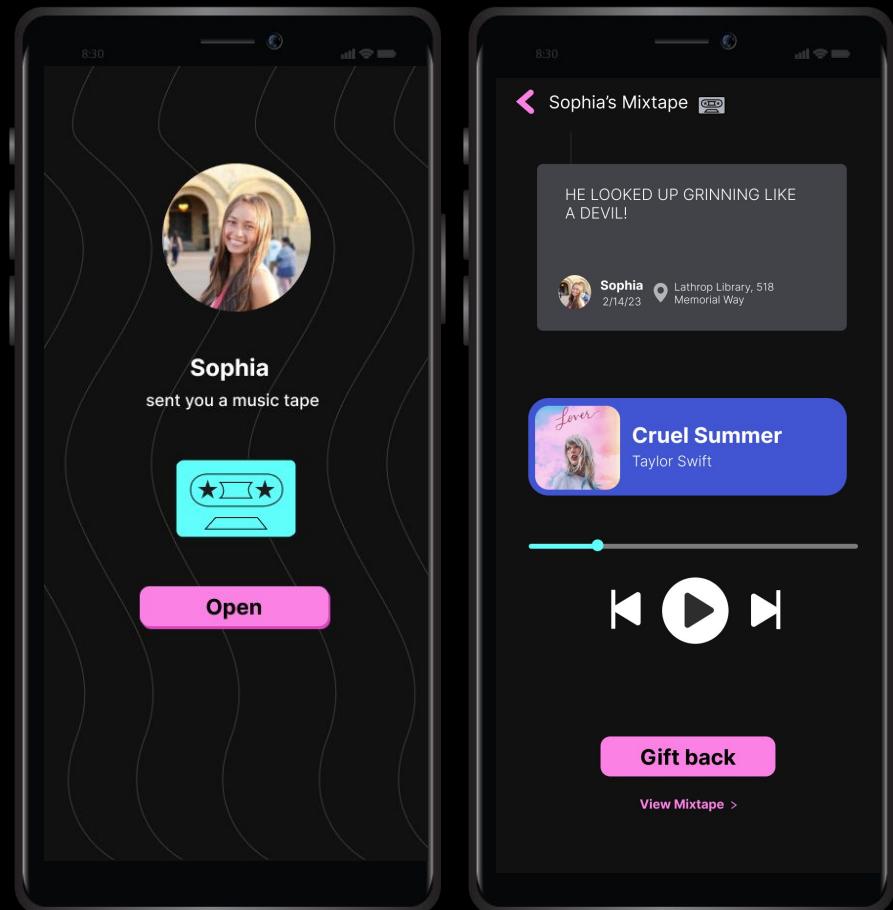
MIX #7  
SIDE A

Task #1  
Gift a tape



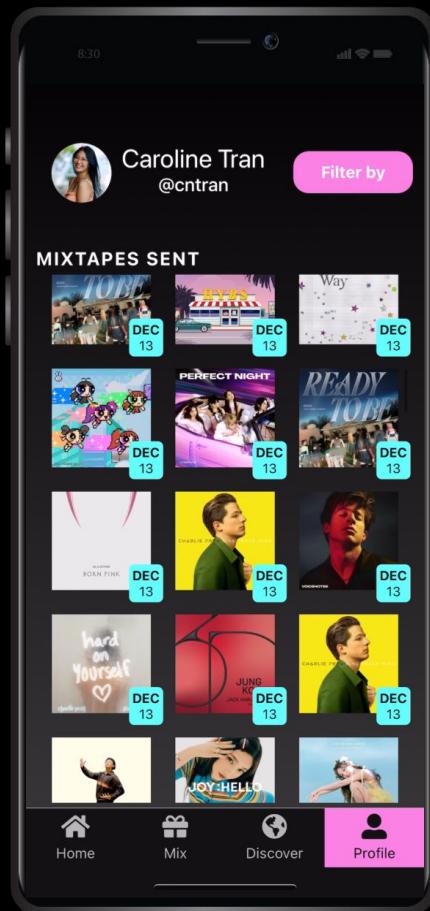
Task #2

Receive/play a (mix)tape

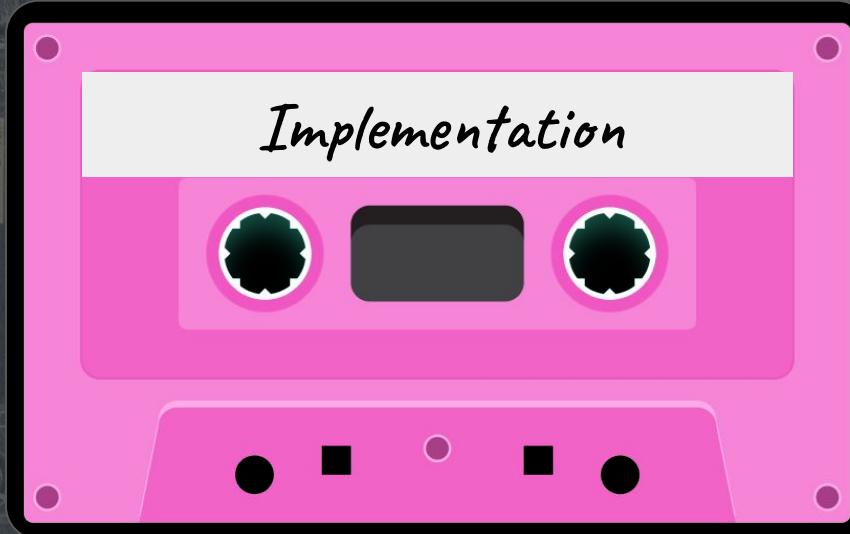


# Task #3

## Revisit music memories



# Implementation



MIX #7 SIDE A

## Tools



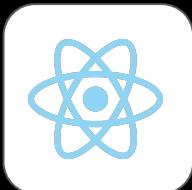
Figma



SupaBase



ExpoGo



React



Spotify



Google Maps

◀ Gray's Mixtape

The screenshot shows the Spotify mobile application interface. At the top, there is a search bar with a magnifying glass icon, an 'Open App' button, and a menu icon. Below the search bar is a navigation bar with four tabs: 'Home' (selected), 'Mix', 'Discover', and 'Profile'. The main content area displays a mixtape titled 'Gray's Mixtape' created by 'yonderu'. The mixtape has a total duration of '44 min 22 sec'. Below the title are three large album covers: 'Doves' by Armand Hammer, 'Igual Que Un Ángel (with...)' by Kali Uchis, and 'Please Please Please Let M...' by Deftones. Each track entry includes the artist name and a three-dot menu icon. The bottom of the screen shows a pink footer bar with the same four tabs: Home, Mix, Discover, and Profile.

## Spotify API

- 1 Connect to Spotify account
- 2 View songs
- 3 Search songs

Choose a location

Santa

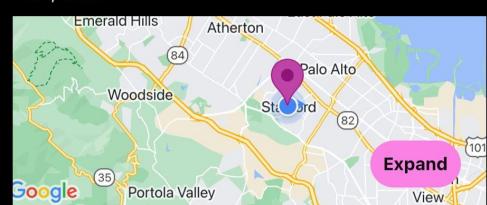
Santa Clara, CA, USA

Santa Cruz, CA, USA

Santa Rosa, CA, USA

Santa Barbara, CA, USA

Santa Clara University, El Camino Real, Santa Clara, CA, USA



Choose a song

Choose a song from Spotify

Send to



Casey



Grav



Brent



Emily



Tristan



Home



Mix



Discover



Profile

## Google Maps API

1

Connect to API

2

Adjust pins manually

3

Search locations

4

Send location with tape





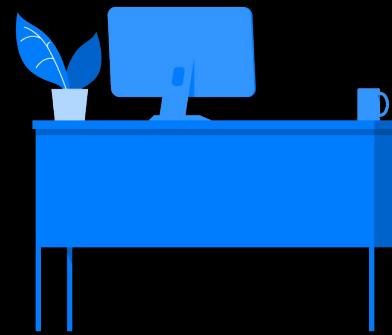
What's Next



MIX #7 SIDE A

# Future Implementation Work

- 1** UI Clean Up (Spotify API Limitations)
- 2** Play complete songs in app
- 3** Store songs sent in playlists



# *Future Vision*

- 1** Personalize tapes with photos & videos
  
- 2** Community listening stations

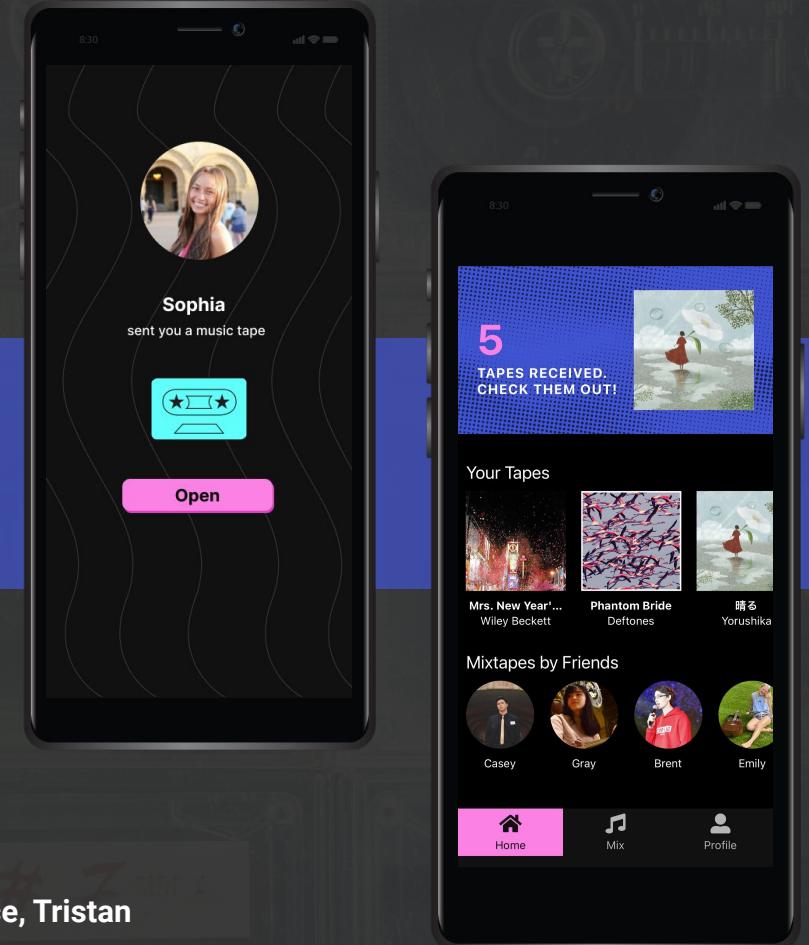


# MemRemix

Where music and memories mix

Casey, Brent, Emily Grace, Tristan

Stanford CS194H Winter 2024





**nurture communities  
through shared goals**

# We are an eclectic bunch



**Nate  
Fleischli**

BS CS AI '23  
MS CS HCI '24



**Elysia  
Smyers**

BS SYMSYS '23  
MS CS HCI '24



**Lyndsea  
Warkenthien**

BS CS AI '24



**Jack  
Clark**

BS MS&E '23  
MS CS HCI '24

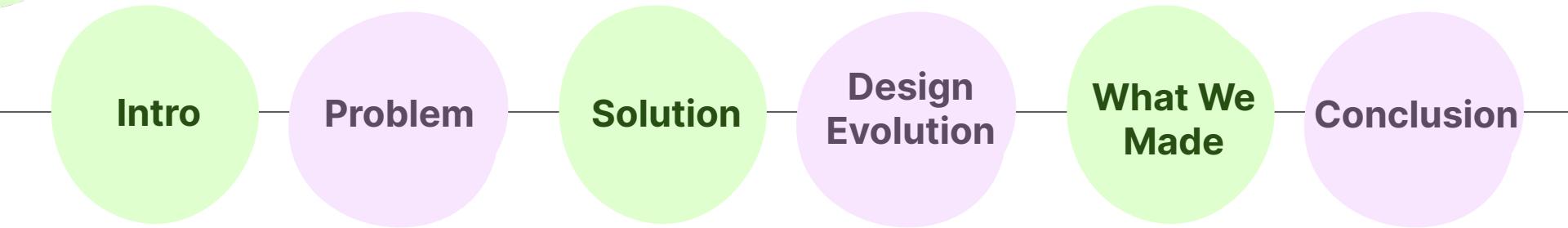


**Tristan  
Sinclair**

BS CS AI '23  
MS CS HCI '24



# What to expect





## We discovered a problem

there is a **gap** between **communities**  
needing engagement and **individuals**  
**eager to support**

# People need community

 [health](#) Life, But Better Fitness Food Sleep Mindfulness Relationships

 [Mindfulness](#)

## The loneliness epidemic: Nearly 1 in 4 adults feel lonely, new survey finds

By Taylor Niccioli, CNN  
5 minute read · Updated 7:00 AM EDT, Tue October 24, 2023

[Facebook](#) [Twitter](#) [Email](#) [Print](#)



 Democracy Dies in Darkness

[HELP DESK](#) Tech in Your Life Future of Work Your Data and Privacy Internet Access What's New Ethical Issues Ask a Question

PLUGGED IN, LEFT OUT.

## Technology's role in the 'loneliness epidemic'

Are tech companies helping the lonely or taking advantage of them?

 By Tatum Hunter

Updated May 15, 2023 at 6:00 a.m. EDT | Published April 11, 2023 at 6:00 a.m. EDT



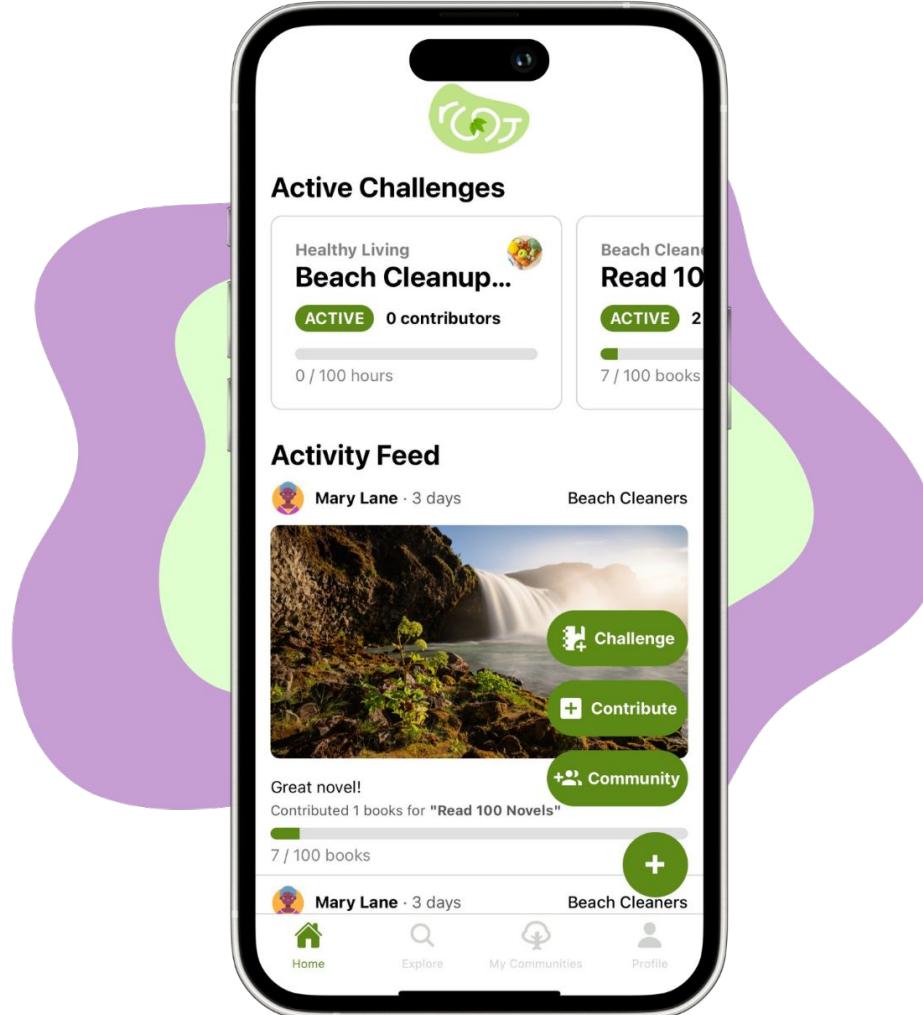
# Currently, nothing solves the problem



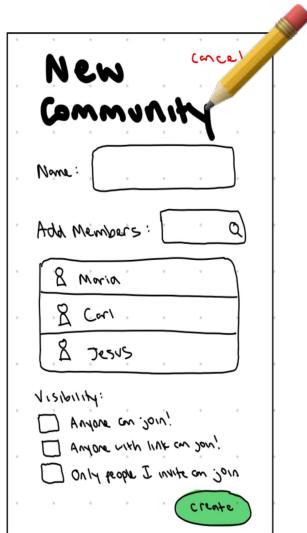
**At root, our mission is**

**bring together **communities**  
through new ways to **connect,**  
**engage**, and **live****

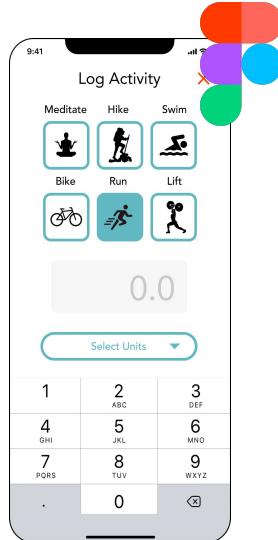




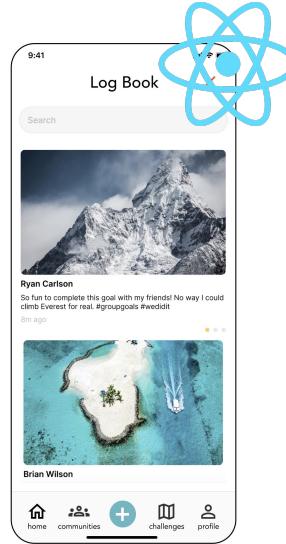
# Design evolution - CS147 Fall 2023



Lo-fi sketching

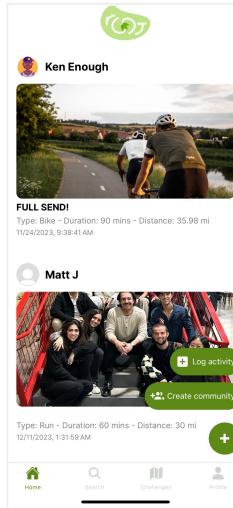


Med-fi mockups

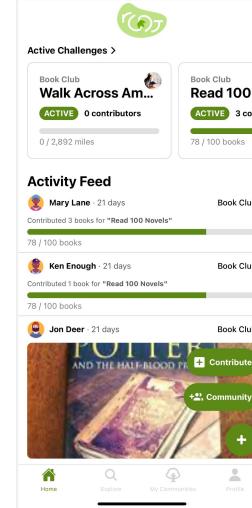
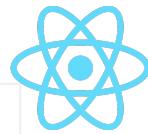


Hi-fi Prototype V1

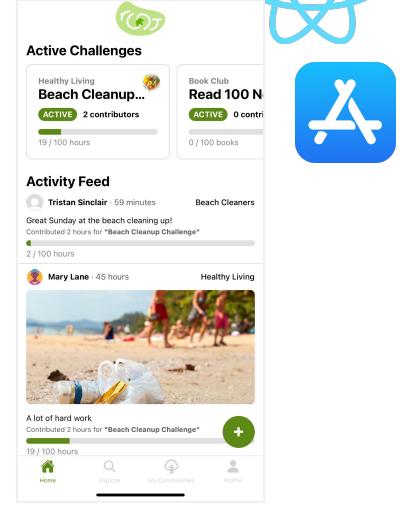
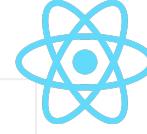
# Design evolution - CS194H Winter 2024



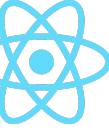
Hi-Fi Prototype V2



Hi-Fi Prototype V3



Final Implementation



# We received some great feedback from experts



**Guadalupe Babio**  
Samsung Staff Designer



**Matt Jöerke**  
Stanford HCI PhD Candidate

# We interviewed and tested... a lot



## The structure of root

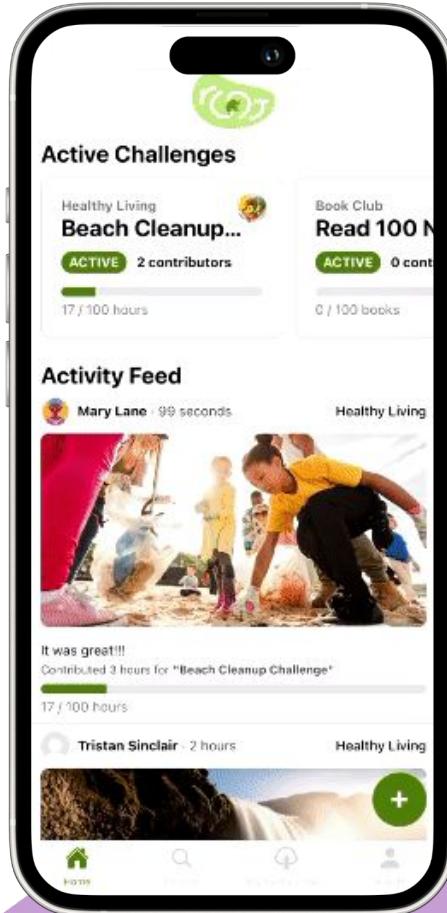
### Communities

Users join communities and see activity from all communities they are in within their feed

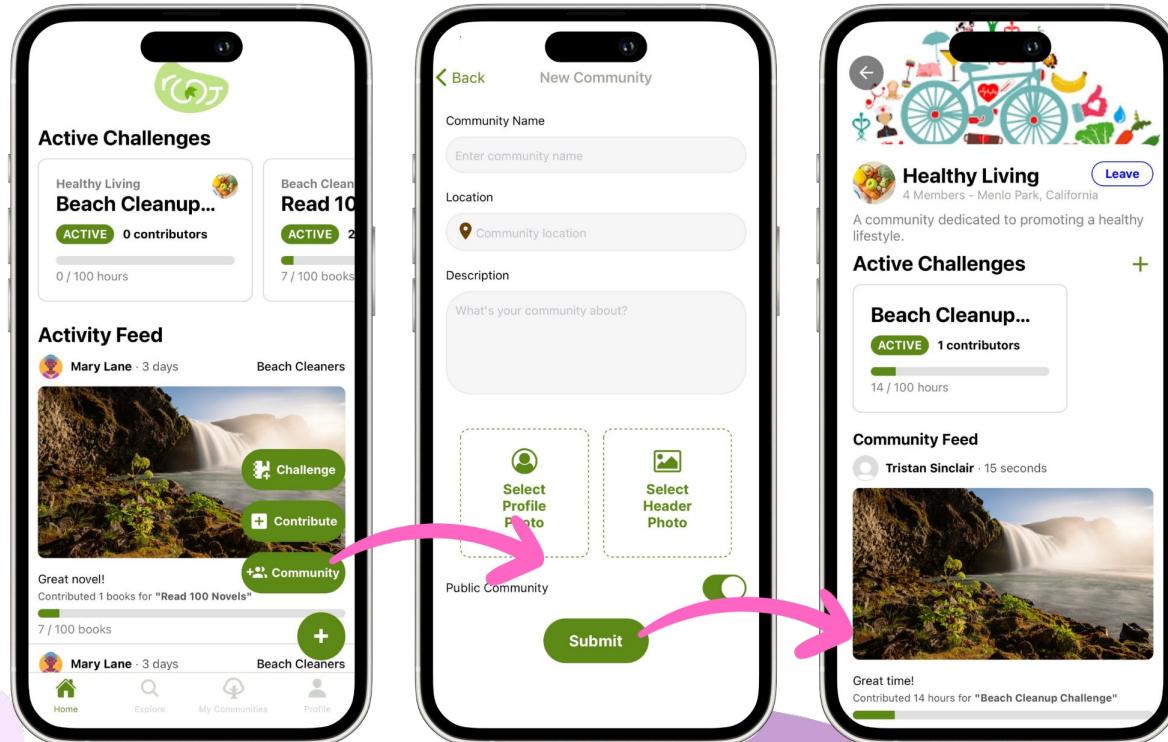
### Challenges

Communities join shared challenges to which members contribute

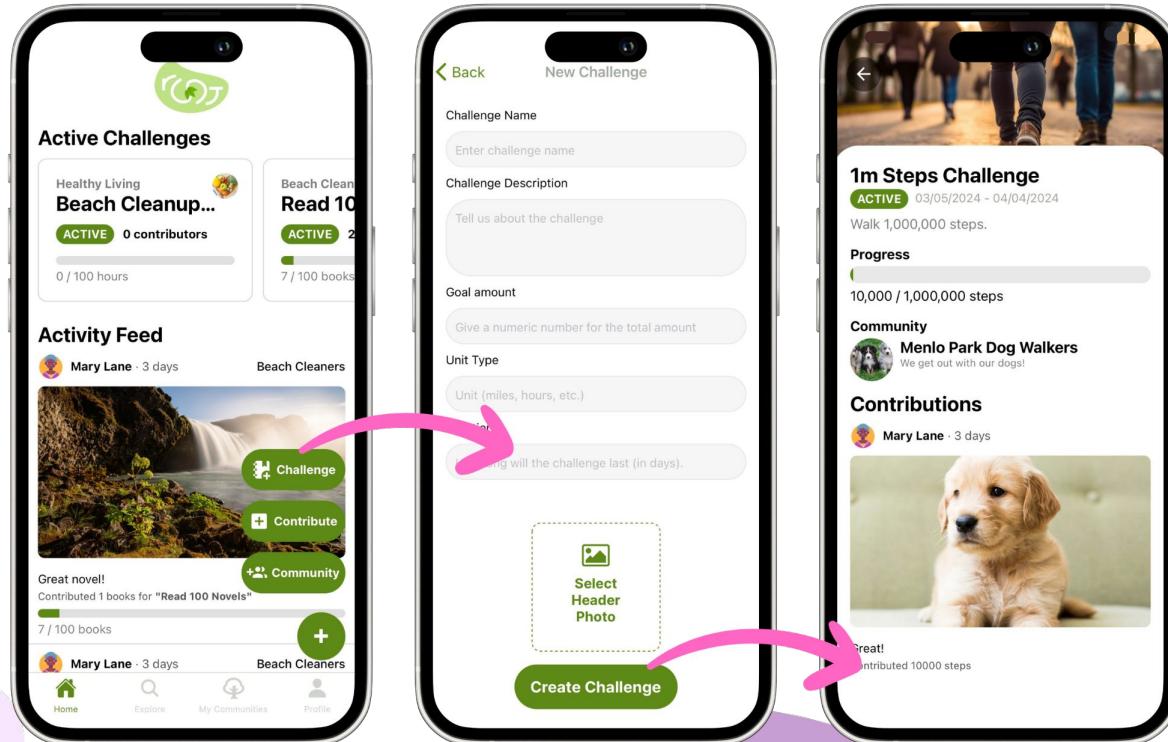
# Task 1: Contribute



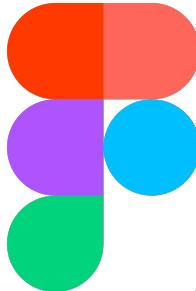
# Task 2: Create a community



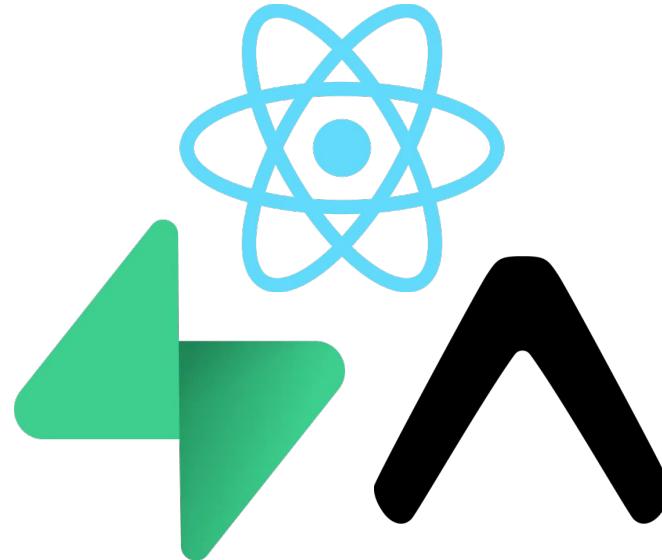
# Task 3: Create a challenge



# What tools we used



Design



Development

# **Some things root is missing**

**Increased  
community  
permissions**

**Robust chat  
capabilities**

**Overall more  
customization  
capabilities**

# **Looking forward towards the future**

**Verification of contributions to challenges**

**Backend speed**

**User authentication improvements and security**

# Our key innovations

Playful



Low stakes



Health promoting

## The impact of root

**Connecting real-world  
communities through wholesome  
and offline engagement**



**nurture **communities**  
through shared goals**

Lyndsea G Warkenthien | Elysia Q Smyers | John H Clark  
Nate J Fleischli | Tristan A Sinclair





**nurture communities  
through shared goals**

# Check out the app...



[mary@test.com](mailto:mary@test.com)  
test12



Nate  
Fleischli



Elysia  
Smyers



Lyndsea  
Warkenthien



Jack  
Clark



Tristan  
Sinclair

